(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 April 2005 (07.04.2005)

(10) International Publication Number WO 2005/031224 A3

(51) International Patent Classification: A47F 3/04 (2006.01) F25D 17/04 (2006.01)

(21) International Application Number:

PCT/US2004/031438

(22) International Filing Date:

27 September 2004 (27.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 26 September 2003 (26.09.2003) 60/506,532

- (71) Applicant (for all designated States except US): SSW HOLDING COMPANY, INC. [US/US]; 3501 South Tulsa, Fort Smiths, AR 72903 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MCMILLIN, Matthew, J. [US/US]; 4216 Highland Oaks Drive, New Albany, IN 47150 (US).
- (74) Agent: LOCKHART, Thomas, L.; Varnum, Riddering, Schmidt & Howlett LLP, P.O. Box 352, Grand Rapids, MI 495080352 (US).
- (81) Designated States (unless otherwise indicated, for every

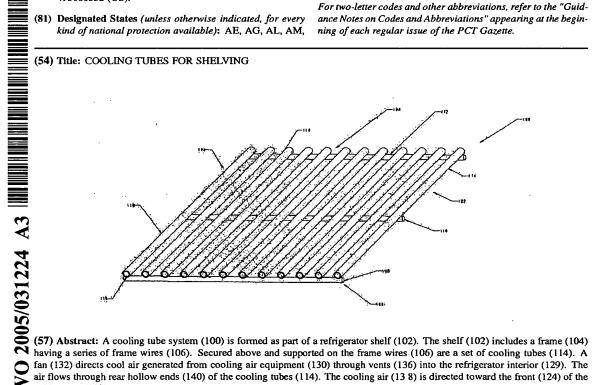
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, 7.W

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of
- (88) Date of publication of the international search report: 8 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the begin-



fan (132) directs cool air generated from cooling air equipment (130) through vents (136) into the refrigerator interior (129). The air flows through rear hollow ends (140) of the cooling tubes (114). The cooling air (138) is directed toward the front (124) of the refrigerator (120).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31438

A. CLASSIFICATION OF SUBJECT MATTER IPC(8): A47F 3/04(2006.01);F25D 17/04(2006.01)				
USPC: 62/255,256,407 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SBARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 62/255,256,407				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST Search				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
Х	US 2,962,875 A (Barroero) 06 December 1960 (06.12.1960), Figures 2, 5 and 6; col. 1, lines 57-64		1-3, 9-11, and 13	
Y	37 -04		4-8	
Y	US 3,168,818 A (Weber) 09 February 1965 (09.02.1965), Figure 1, 37,38,40		12	
		·		
Further	documents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents:		"T" later document published after the intern		
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the applicat principle or theory underlying the invent		
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the cliconsidered to involve an inventive step		
"O" document referring to an oral disclosure, use, exhibition or other means		obvious to a person skilled in the art		
priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		MCCRAW BARRY (B/)CI/AYT	ON) C	
Commissioner for Patents		For Vignia liby		
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571 272-3700		
Facsimile No. (571) 273-3201				

Form PCT/ISA/210 (second sheet) (April 2005)